

## IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

1           1-35. (Canceled)

1           36-61. (Canceled)

1           62. (New) A high density storage system, comprising:  
2           a housing configured for installation in a system controller housing, the housing  
3           further having a single connector configured for connecting to the system controller housing;  
4           a plurality of storage devices , each of the plurality of storage devices arranged edge-  
5           to-edge within the housing to provide a high density storage system form factor having a  
6           width substantially corresponding to a dimension of one of the plurality of storage devices;  
7           and  
8           a storage access device for aggregating storage capacity of the plurality of storage  
9           devices as a single storage device address to the system controller via the single connector and  
10          for providing access to each of the plurality of storage devices within the housing via the  
11          single connector.

1           63. (New) The high density storage system of claim 62, wherein the plurality of  
2           storage devices are arranged horizontally end-to-end.

1           64. (New) The high density storage system of claim 62, wherein the plurality of  
2           storage devices are arranged vertically side-by-side.

1           65.     (New) The high density storage system of claim 62, wherein the width of the  
2     high density storage system substantially corresponds to a height of one of the plurality of  
3     storage devices.

1           66.     (New) The high density storage system of claim 62, wherein the width of the  
2     high density storage system substantially corresponds to a width of one of the plurality of  
3     storage devices.

1           67.     (New) The high density storage system of claim 62, wherein the storage  
2     access device further comprises an address aggregator for aggregating the physical addresses  
3     of the plurality of storage devices within the housing into logical addresses and making the  
4     logical addresses of the plurality of storage devices within the housing available over the  
5     single connector.

1           68.     (New) The high density storage system of claim 67, wherein the address  
2     aggregator is configured to present the plurality of storage devices within the housing as a  
3     single storage device.

1           69.     (New) The high density storage system of claim 67, wherein the address  
2     aggregator is configured to allowing each of the plurality of storage devices within the  
3     housing to be addressed individually using logical addresses.

1           70.     (New) The high density storage system of claim 62, wherein the housing  
2 further comprises fault indicators for allowing notification of a fault condition associated with  
3 the plurality of storage devices within the housing.

1           71.     (Currently Amended) A storage system, comprising:

2           a system controller housing configured for implementing a desired system level  
3 storage configuration;

4           a plurality of high density storage systems disposed within the system controller  
5 housing, each of the plurality of high density storage systems further comprising:

6                 a housing configured for installation in a system controller housing, the  
7 housing further having a single connector configured for connecting to the system controller  
8 housing;

9                 a plurality of storage devices , each of the plurality of storage devices arranged  
10 edge-to-edge within the housing to provide a high density storage system form factor having a  
11 width substantially corresponding to a dimension of one of the plurality of storage devices;  
12 and

13                 a storage access device for aggregating storage capacity of the plurality of  
14 storage devices as a single storage device address to the system controller via the single  
15 connector and for providing access to each of the plurality of storage devices within the  
16 housing via the single connector; and

17                 a package aggregator, coupled to the plurality of high density storage systems, for  
18 providing power, control and signaling to each of the plurality of high density storage systems  
19 via the single connector of each of the plurality of high density storage systems.

1           72.   (New) The storage system of claim 71, wherein the plurality of storage  
2 devices are arranged horizontally end-to-end.

1           73.   (New) The storage system of claim 71, wherein the plurality of storage  
2 devices are arranged vertically side-by-side.

1           74.   (New) The storage system of claim 71, wherein the width of the high density  
2 storage system substantially corresponds to a height of one of the plurality of storage devices.

1           75.   (New) The storage system of claim 71, wherein the width of the high density  
2 storage system substantially corresponds to a width of one of the plurality of storage devices.

1           76.   (New) The storage system of claim 71, wherein the system level controller is  
2 configured to provide logical volume aggregation across the plurality of high density storage  
3 systems.

1           77.   (New) The storage system of claim 71, wherein the system level controller  
2 presents a system level RAID configuration across the plurality of high density storage  
3 systems and the storage access device of each high density storage systems presents a storage  
4 configuration for the plurality of storage devices within each high density storage system.

1           78.     (New) A method for providing high density storage, comprising:  
2           providing a housing configured for installation in a system controller housing, the  
3     housing further having a single connector configured for connecting to the system controller  
4     housing;  
5           providing a plurality of storage devices , each of the plurality of storage devices  
6     arranged edge-to-edge within the housing to provide a high density storage system form factor  
7     having a width substantially corresponding to a dimension of one of the plurality of storage  
8     devices; and  
9           providing a storage access device for aggregating storage capacity of the plurality of  
10    storage devices as a single storage device address to the system controller via the single  
11    connector and for providing access to each of the plurality of storage devices within the  
12    housing via the single connector.